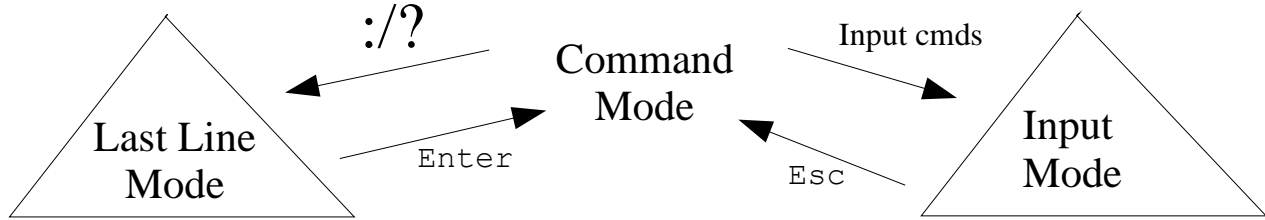


## vi editor basics

a	Append text after cursor.	h	Move cursor left (left arrow; backspace)
A	Append text at the end of the line.	j	Move cursor down (down arrow)
i	Insert text before the cursor.	k	Move cursor up (up arrow)
I	Insert text at the beginning of the line.	l	Move cursor right (right arrow, spacebar)
o	Open a new line below the cursor.		
O	Open a new line above the cursor.	H	Move to top of screen.
w	Move forward one word.	M	Move to middle of screen.
W	Move forward one word past punctuation.	L	Move to bottom of screen.
b	Move backward one word.		
B	Move backward one word past punctuation.	CTRL-f	Page forward one screen.
e	Move forward at end of word.	CTRL-d	Scroll down one-half screen.
E	Move forward at end of word past punctuation.	CTRL-b	Page back up one screen.
x	Delete character at cursor.	CTRL-u	Scroll up one-half screen.
X	Delete character left of cursor.		
		:5,10d	Delete lines 5 through 10.
D	Delete line to right of cursor.	:1,3co 5	Copy lines 1 to 3; put after line 5.
dw	Delete word right of cursor.	:4,6m 8	Move lines 4 to 6 to line 8
ndw	Delete <i>n</i> number of words.		
dd	Delete line containing the cursor.	cw	Change word.
ndd	Delete <i>n</i> lines.	ncw	Change <i>n</i> words.
dG	Delete to end of FILE.	nyy	Yank <i>n</i> lines (copy).
		Y	Yank current line.
R	Overwrite characters on line.	p	Put yanked/deleted line(s) below current line.
r	Replace one letter only.	P	Put yanked/deleted line(s) above current line.
C	Change from cursor to end of line.	:r <i>insert_file</i>	Insert <i>insert_file</i> below the current line.
s	Substitute string for character.	:n r <i>insert_file</i>	Insert <i>insert_file</i> after line number <i>n</i> .
J	Join current line and line below current line.		
xP	Transpose/switch letters.	u	Undo previous command.
~	Change case of letter.	U	Undo all changes to current line.
		:u	Undo previous last line command.
:w	Save changes.		
:w <i>new_file</i>	Save with name <i>new_file</i>	:set nu	Show line numbers.
:w! <i>existing</i>	Overwrite existing file <i>existing</i>	:set nonu	Hide line numbers,
:wq	Save changes and quit vi.	:set ic	Search ignore case.
ZZ	Save changes and quit vi	:set noic	Search case sensitive
:q!	Quit without saving.	:set list	Display invisible characters (tabs)
		:set nolist	Don't display invisible characters.
G	Go to last line.	:set showmode	Show current mode of operation.
1G	Go to first line of file.	:set noshowmode	Don't show current mode of operation.
:21	Go to line 21.	CTRL-L	Clear scrambled screen.
21G	Go to line 21.		
/string	Search forward for <i>string</i>		
?string	Search backward for <i>string</i>		
n	Find next occurrence of <i>string</i>		
N	Find previous occurrence of <i>string</i>		
:s/ <i>this</i> / <i>that</i>	Change first occurrence of <i>this</i> to <i>that</i> on current line.		
:s/ <i>this</i> / <i>that</i> /g	Change all occurrences of <i>this</i> to <i>that</i> on current line.		
:%s/ <i>this</i> / <i>that</i>	On all lines, change first occurrence of <i>this</i> to <i>that</i> .		
:%s/ <i>this</i> / <i>that</i> /g	On all lines, change all occurrences of <i>this</i> to <i>that</i> .		

# vi Detailed Reference



## Search Functions

*/exp* Go forward to *exp*  
*?exp* Go backward to *exp*

## Move and Insert Text

*:3,8d* Delete lines 3-8  
*:2,4m 9* Move lines 2-4 to 9  
*:2,4co 9* Copy lines 2-4 to 9  
*:5,9w file* Write lines 5-9 to *file*

## Substitution Functions

*:s/old/new* Change *old* to *new*  
*:%s/old/new/g* Change all *old* to *new*

## Save Files and Exit

*:w* Write buffer to disk  
*:w newfile* Write buffer to *newfile*  
*:w! file* Write absolutely  
*:q* Quit vi  
*:q!* Quit absolutely  
*:e!* Re-edit, discarding changes

## Control Edit Session

*:set nu* Display line numbers  
*:set nonu* Don't show line numbers  
*:set all* Show all settings  
*:set list* Display invisible chars  
*:set showmode* Display editing mode

## Other Useful Features

*:r file* Read in *file*  
*:!command* Execute shell *command*  
*:sh* Exit to shell  
*:|* Shell cmd results to file  
*ZZ* Write and quit

## Screen/Line Movement

*j* ↓ *k* ↑ *h* ← *l* →  
*0* Go to line start  
*\$* Go to line end  
*G* Go to last line in file  
*3G* Go to line 3  
*CTRL-g* Show line number  
*CTRL-f* Go forward 1 screen  
*CTRL-b* Go backward 1 screen

## Word Movement

*W* Go forward 1 word  
*3W* Go forward 3 words  
*B* Go back 1 word  
*3B* Go back 3 words

## Search Functions

*n* Repeat previous search  
*N* Reverse previous search

## Delete Text

*x* Delete one character  
*dw* Delete one word  
*dd* Delete one line  
*D* Delete to end of line  
*d0* Delete to beginning of line  
*dG* Delete to end of file

## Cancel/Redo Functions

*u* Undo last change  
*.* Do last change again

## Copy and Insert Text

*Y* Yank a copy of a line  
*5Y* Yank a copy of 5 lines  
*p* Put below cursor  
*P* Put above cursor

## Word Processing Functions

*J* Join next line to current  
*4J* Join next 4 lines to current

## Add/Append Text

*a* Append after cursor  
*A* Append at line end  
*i* Insert before cursor  
*5i* Insert text 5 times  
*I* Insert at beginning of line

## Add New Lines

*o* Open a line below cursor  
*O* Open a line above cursor

## Change Text

*cw* Change a word  
*3cw* Change 3 words  
*C* Change line  
*r* Replace one character  
*R* Replace/type-over line